

ecflow home

What is ecFlow

ecFlow is a work flow package that enables users to run a large number of programs (with dependencies on each other and on time) in a controlled environment. It provides tolerance for hardware and software failures, combined with good restart capabilities. It is used at ECMWF to run all our operational suites across a range of platforms.

ecFlow submits tasks (jobs) and receives acknowledgements from tasks when they change status and when they send events. It does this using using child commands embedded in the scripts. **ecFlow** store s the relationship between tasks and is able to submit tasks dependent on triggers.

Latest News

 Releases > [ecFlow-4.8.0-Source.tar.gz](#) (ecFlow)

- [ecflow release 4.8.0](#) (ecFlow)

 Latest news > [ecFlow-4.7.1-Source.tar.gz](#) (ecFlow)

- [ecflow release 4.7.1](#) (ecFlow)

 Releases > [ecFlow-4.7.1-Source.tar.gz](#) (ecFlow)

Go to [Latest news](#) to access older news items

Quick Links

- [Download](#)
- [Installation](#)
- [Documentation](#)
- [Tutorial](#)
- [Frequently asked questions](#)
- [Known bugs or issues](#)
- ecFlow@ECMWF

Report a bug or issue

Please send an email to software.support@ecmwf.int or go to [Issues](#) if you have any suggestions for improvements or have discovered a bug with this software package.

Blog Posts

[ecflow standalone GUIs](#) created by [Axel Bonet](#)
ecFlow Jan 22, 2014

[ecflow watchdogs](#) created by [Axel Bonet](#) Jan 21, 2014
ecFlow

Releases

File	Modified ▾
>  ecFlow-4.8.0-Source.tar.gz production release	Jan 16, 2018 by Avi Bahra
>  ecFlow-4.7.1-Source.tar.gz production release(hotfix)	Nov 07, 2017 by Avi Bahra
>  ecFlow-4.7.0-Source.tar.gz production release	Oct 11, 2017 by Avi Bahra
>  ecFlow-4.6.1-Source.tar.gz production release	May 12, 2017 by Avi Bahra
>  ecFlow-4.6.0-Source.tar.gz production release	May 05, 2017 by Avi Bahra
>  ecFlow-4.5.0-Source.tar.gz production release	Jan 11, 2017 by Avi Bahra
>  ecFlow-4.4.0-Source.tar.gz production release	Oct 17, 2016 by Avi Bahra
>  ecFlow-4.1.0-Source.tar.gz production release	Sep 23, 2016 by Axel Bonet
>  ecFlow-4.0.9-Source.tar.gz production release	Sep 30, 2015 by Avi Bahra
>  ecFlow-4.0.8-Source.tar.gz	Aug 04, 2015 by Avi Bahra
>  ecflow_4_0_7.tar.gz Production release	Mar 19, 2015 by Avi Bahra
>  ecflow_4_0_6.tar.gz production release	Nov 18, 2014 by Avi Bahra
>  ecflow_4_0_5.tar.gz Production release	Nov 10, 2014 by Avi Bahra
>  ecflow_4_0_4.tar.gz Production release	Aug 29, 2014 by Avi Bahra
>  ecflow_4_0_3.tar.gz Production release	Jul 07, 2014 by Avi Bahra
>  ecflow_4_0_2.tar.gz Production release	Apr 07, 2014 by Avi Bahra
>  ecflow_4_0_1.tar.gz Production release	Feb 05, 2014 by Avi Bahra
>  boost_1_53_0.tar.gz Boost libs for ecflow > 4.0.0	Nov 14, 2013 by Avi Bahra
>  ecflow_4_0_0.tar.gz Production release	Nov 14, 2013 by Avi Bahra
>  boost_1_47_0.tar.gz Boost libraries for ecFlow release	Apr 17, 2012 by John Hodkinson

 [Download All](#)

Binary releases

Precompiled binary releases are available for the following systems:

- CentOS 4.4 x86_64
- CentOS 6.2 x86_64
- Debian 6.0 x86_64
- Debian 7.0 x86_64
- Debian 9.2 x86_64
- Fedora 16 x86_64
- Fedora 18 x86_64
- Fedora 20 x86_64
- Fedora 24 x86_64
- HP-UX ia64
- openSUSE 10.3 i686
- openSUSE 11.3 i686
- openSUSE 11.3 x86_64
- openSUSE 12.1 x86_64
- openSUSE 13.1 x86_64
- openSUSE 42 x86_64
- Red Hat Enterprise Linux 5.5 x86_64
- Red Hat Enterprise Linux 6.0 x86_64
- Red Hat Enterprise Linux 6.3 x86_64
- Red Hat Enterprise Linux 7.1 x86_64
- Red Hat Enterprise Linux Server 5.5 x86_64
- SUSE Linux Enterprise Server 10 x86_64
- SUSE Linux Enterprise Server 11 x86_64
- SUSE Linux Enterprise Server 12 x86_64
- Ubuntu 10.04 i686
- Ubuntu 11.04 x86_64
- Ubuntu 11.10 x86_64
- Ubuntu 12.04 x86_64
- Ubuntu 12.10 x86_64
- Ubuntu 13.04 x86_64
- Ubuntu 14.04 x86_64
- Ubuntu 16.04 x86_64

Binary package notes












- At the moment these packages are still experimental. Please report any issue with them to Software.Support@ecmwf.int or via JIRA to <http://software.ecmwf.int/issues/browse/SUP>.
- Some components of `ecflow` are not available in some platforms. A minimum of python 2.5 is required to compile the `python` bindings and since some distributions ship with an older version we have chosen not to build the python bindings for those. In addition, `ecflowview` is not available for all platforms.
- We have a limited availability of build platforms for `ecflow`. If you want to have a binary for any platform not listed here you can tell us by sending an email to Software.Support@ecmwf.int or reporting it via JIRA in <http://software.ecmwf.int/issues/browse/SUP>. We can not cover all possible platforms but we are still interested on hearing from you
- Packages from version 4.0.0-1 onwards have divided the client and server parts of `ecflow` into two different packages: `ecflow` for the client side and `ecflow-server` for the server side. Please keep in mind that for a fully functional server you need both packages and that client and server versions must be matched.

Current and legacy list of packages

- CentOS 4.4 x86_64
- CentOS 6.2 x86_64
- Debian 6.0 x86_64
- Debian 7.0 x86_64
- Debian 9.2 x86_64
- Fedora 16 x86_64
- Fedora 18 x86_64
- Fedora 20 x86_64
- Fedora 24 x86_64
- HP-UX ia64
- openSUSE 10.3 i686
- openSUSE 11.3 i686
- openSUSE 11.3 x86_64
- openSUSE 12.1 x86_64
- openSUSE 13.1 x86_64
- openSUSE 42 x86_64
- Red Hat Enterprise Linux 5.5 x86_64
- Red Hat Enterprise Linux 6.0 x86_64
- Red Hat Enterprise Linux 6.3 x86_64
- Red Hat Enterprise Linux 7.1 x86_64
- Red Hat Enterprise Linux Server 5.5 x86_64
- SUSE Linux Enterprise Server 10 x86_64
- SUSE Linux Enterprise Server 11 x86_64
- SUSE Linux Enterprise Server 12 x86_64
- Ubuntu 10.04 i686
- Ubuntu 11.04 x86_64
- Ubuntu 11.10 x86_64
- Ubuntu 12.04 x86_64
- Ubuntu 12.10 x86_64
- Ubuntu 13.04 x86_64
- Ubuntu 14.04 x86_64
- Ubuntu 16.04 x86_64

Recently Updated

-  [Handling zombies](#)
Feb 20, 2018 • updated by [Axel Bonet](#) • [view change](#)
-  [Release Notes](#)
Feb 20, 2018 • updated by [Axel Bonet](#) • [view change](#)
-  [Simulation](#)
Feb 20, 2018 • updated by [Axel Bonet](#) • [view change](#)
-  [ecflow release 4.8.0](#)
Feb 20, 2018 • updated by [Axel Bonet](#) • [view change](#)

-  [ecFlow Python Api](#)
Feb 20, 2018 • updated by [Axel Bonet](#) • [view change](#)
-  [Add suite, family and task](#)
Feb 20, 2018 • updated by [Axel Bonet](#) • [view change](#)
-  [ecFlowUI Release Notes](#)
Feb 16, 2018 • updated by [Sandor Kertesz](#) • [view change](#)
-  [image2018-2-16_10-41-45.png](#)
Feb 16, 2018 • attached by [Sandor Kertesz](#)
-  [image2018-2-16_10-41-13.png](#)
Feb 16, 2018 • attached by [Sandor Kertesz](#)
-  [image2018-2-16_10-21-56.png](#)
Feb 16, 2018 • attached by [Sandor Kertesz](#)
-  [image2018-2-16_10-15-9.png](#)
Feb 16, 2018 • attached by [Sandor Kertesz](#)
-  [image2018-2-16_10-14-32.png](#)
Feb 16, 2018 • attached by [Sandor Kertesz](#)
-  [image2018-2-16_10-6-42.png](#)
Feb 16, 2018 • attached by [Sandor Kertesz](#)
-  [image2018-2-16_10-5-42.png](#)
Feb 16, 2018 • attached by [Sandor Kertesz](#)
-  [Experiencing ecFlow - Docker](#)
Feb 06, 2018 • updated by [Axel Bonet](#) • [view change](#)